

TracPipe® **CounterStrike®**

Flexible Gas Piping by OmegaFlex®

**Saves time.
Saves money.**



Up to 2" size for commercial gas piping.



TracPipe® CounterStrike®

The Contractor's Choice.

Heavy duty but
lightweight

Semi-rigid but flexible

Proven new technology

TracPipe/CounterStrike
replaces black pipe—no contest!

More and more gas piping
contractors are choosing TracPipe/
CounterStrike to gain a major
advantage over their rigid
piping competitors.

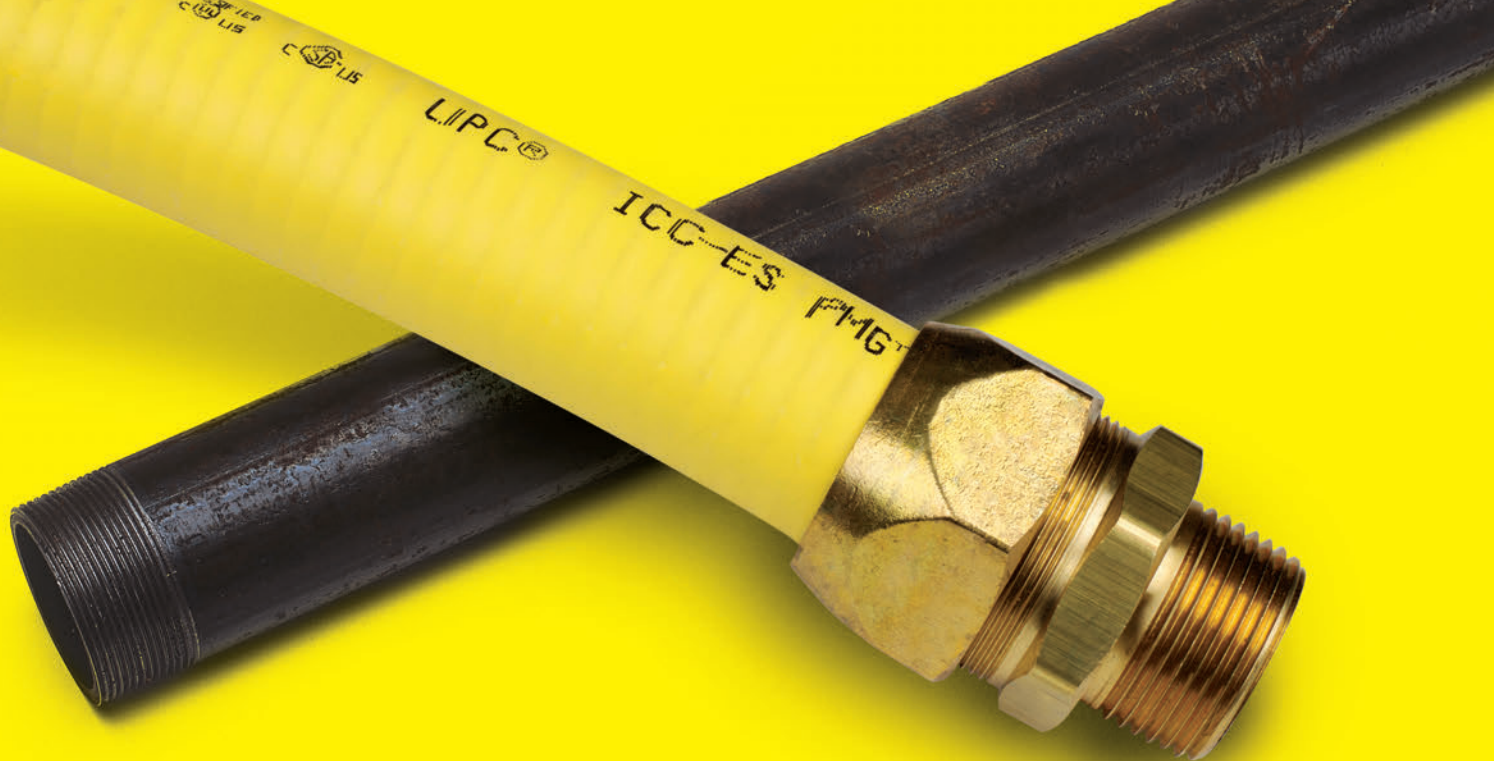
TracPipe/CounterStrike is available in
seven sizes from 3/8 inch all the way up
to 2 inch.

TracPipe/CounterStrike's superior
corrugated tubing, jacketed with flame-
retardant polyethylene, is an unbeatable gas
piping material.

TracPipe/CounterStrike Corrugated Stainless
Steel Tubing is an approved gas piping material in
virtually every mechanical and plumbing code in
effect in the U.S. and Canada.

Teamed with patent pending AutoSnap® (pictured) or
AutoFlare® fitting, manifolds, termination mounts, meter
terminations, pressure regulators, shut off valves, and
striker plates, the TracPipe/CounterStrike system provides
everything you need for a complete installation.

Cost-effective, safe and completely reliable, TracPipe/
CounterStrike is the ideal pipe for new construction, rehab and
retrofit projects. It offers demonstrated savings for residential,
multi-family and commercial installations.



Choose TracPipe/ CounterStrike. Replace Black Pipe.

Bends and conforms by hand

Pull gas pipe like electrical wire

Saves up to 75% of installation time

Cuts with a standard tube cutter

No threading or welding hassles

TracPipe/CounterStrike weighs a fraction of black pipe, for potential workmen's comp savings

Unique AutoSnap® fittings require no special tools to seal the first time, every time

Combined with elevated pressure, 2-inch TracPipe/CounterStrike replaces 5-inch black pipe

TracPipe/CounterStrike is rated for indoor, outdoor use and underground (sleeved TracPipePSII)

Better suited to withstand ground settling and seismic stress

TracPipe/CounterStrike installs as fast as your high lift can move you

Choose the Leading Flexible Gas Piping.

Stronger.

TracPipe/CounterStrike's superior corrugated tubing cuts clean and is extremely damage resistant

Highest Pressure Ratings.

Tested by CSA International for ratings up to 125 psi; conforms to requirements for industrial, commercial and high rise applications

Highest Capacity Ratings (EHD).

Use with elevated pressure to allow smaller piping for high appliance loads

AutoSnap® Fitting patent pending (pictured above).

The only CSST fitting that does not require disassembly or reassembly of the fitting to the CSST!

AutoFlare® Fitting.

Unsurpassed reliability. The only fitting that is self-flaring and self-piloting to pipe's inner diameter.

Save Time and Money.

A fitting that seals the first time, every time, takes less time to complete the job

Get More Business.

Your crew can complete many more installations each week for no increase in labor costs

TracPipe/CounterStrike



Schools, Colleges

Don't take our word for it

Mechanical Contractor

"We saved two man-weeks on our high school renovation project by choosing flexible TracPipe/CounterStrike over rigid black pipe. We simply pulled long runs through PVC pipe over existing ceilings. TracPipe/CounterStrike is a great new way to run gas piping in our commercial jobs."



Assisted living, Elder housing



Multi-family apartment

Mechanical Contractor, Multi-Family

"We've been specifying CounterStrike CSST since it first became available almost six years ago. We replaced copper tube because of the high cost of callbacks. CounterStrike is the easiest to use and most reliable product for gas piping. With CounterStrike we have no callbacks and we save money."

– the Commercial Choice.

— take our customers’!



Theme park, Aquarium

Specifying Engineer

“TracPipe/CounterStrike has been included in our master specification for several years. We specify TracPipe/CounterStrike flexible gas piping because of the enhanced lightning protection that it provides. I’ve found it to be the most dependable corrugated stainless steel tubing.”



Multi-family townhouses



Warehouse, Freight depot

TracPipePSII is the Underground Choice.

Patented

TracPipePSII is Pre-Sleeved with polyethylene for underground use, such as under building slabs and other locations where sleeved piping is required. TracPipePSII is also used on rooftop installations, where an additional measure of protection is needed. It will save you both time and money over piping underground with rigid black pipe, sleeved or wrapped.

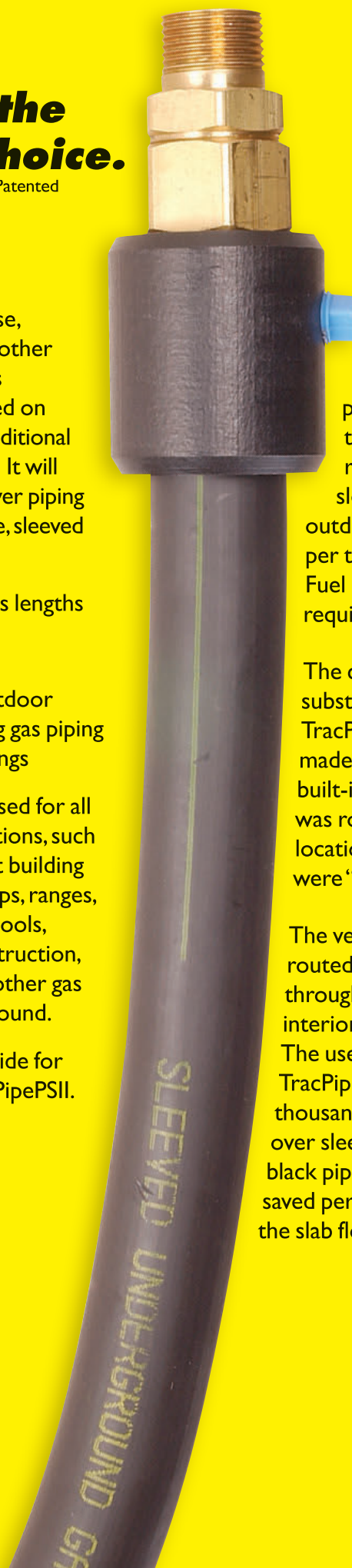
- Available pre-sleeved in various lengths
- Sizes up to 2 inch
- Vent port built in to enable outdoor venting, required when running gas piping under slabs and beneath buildings
- Underground TracPipePSII is used for all below grade gas piping applications, such as pool/spa heaters, garage/out building systems, center island cook-tops, ranges, and under slab systems for schools, laboratories, multi-family construction, fast-food restaurants and any other gas piping which is placed underground.
- See Design and Installation Guide for complete information on TracPipePSII.

The original design for the ground floor science laboratories in this new high school specified rigid black pipe. The under slab portions of this piping system

require both sleeving and outdoor venting per the National Fuel Gas Code requirements.

The choice to substitute TracPipePSII was made because of the built-in venting feature. The gas piping was routed between lab table locations, and venting connections were "daisy chained."

The vent system was routed outdoors through the interior block walls. The use of flexible TracPipePSII saved thousands of dollars over sleeved rigid black pipe. The time saved permitted pouring of the slab floor on schedule.



Choose TracPipe/CounterStrike — The flexible gas pipe leader — Save time and money.

TracPipe/CounterStrike has created cost-effective and time-saving products for the commercial contractor.

Here's everything you need to give you a major edge over your competition.

You will drastically reduce the amount of time and labor dollars you spend on gas piping jobs.

**UNMATCHED AVAILABILITY...
FAST RELIABLE SHIPMENTS
FROM OUR REGIONAL STOCKING
LOCATIONS ENABLE
WHOLESALE TO REDUCE
INVENTORY DOLLARS AND FREE
UP WAREHOUSE SPACE.**



OmegaFlex®

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ISO 9001 Certified
ICC-ES PMG
TracPipe #1046
CounterStrike #1058
PSII #1052

OMEGAFLEX® is a manufacturer of quality flexible metal hose and piping products — metal hose, braid, braided-hose-on-reels, expansion joints, and now TracPipe/CounterStrike and AutoFlare. Our reputation in the industrial marketplace was built through excellent customer service, fully-stocked inventory, and "it's on its way" shipping. TracPipe/CounterStrike and its components bring our technological, manufacturing, and service capabilities to the plumbing, heating and mechanical trades.

Table N-1 Low Pressure (Standard)

		Maximum Capacity of OmegaFlex TracPipe CSST in Cubic Feet per Hour (CFH) of Natural Gas (1000 BTU per cubic foot approx)																														
		Min. Gas Pressure: < 7 in w.c. Pressure Drop: 0.5 in w.c. (Based on a 0.60 Specific Gravity Gas)																														
Size	EHD	Tubing Length (feet)																														
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3/8"	15	63	45	37	33	29	27	23	21	19	18	17	17	16	15	14	12	11	10	9	8	7	6	6	5	5	5	5	4	4	4	4
1/2"	19	138	99	81	70	63	58	50	45	41	38	37	36	34	32	29	26	23	20	19	16	14	13	12	11	11	10	10	9	9	9	8
3/4"	25	344	245	201	175	157	143	125	112	102	95	92	89	84	80	71	65	57	51	46	40	36	33	31	29	27	26	24	23	22	22	21
1"	31	589	419	343	298	267	244	212	190	174	161	156	151	142	135	121	111	96	86	79	68	61	56	52	48	46	43	41	40	38	37	35
1 1/4"	37	1109	789	646	561	503	460	399	358	327	303	293	284	268	254	228	208	181	162	148	128	115	105	97	91	86	82	78	75	72	69	67
1 1/2"	46	1790	1261	1027	888	793	723	625	559	509	471	455	440	415	383	351	320	277	247	226	195	174	159	147	137	129	123	117	112	107	103	100
2"	62	4142	2934	2398	2078	1860	1698	1472	1317	1203	1114	1076	1042	983	933	835	762	661	591	540	468	419	382	354	331	312	296	283	271	260	251	242

see notes below*

EHD (Equivalent Hydraulic Diameter) A theoretical size which reflects the hydraulic performance of the tubing. It is not a true physical measure. This number is used to compare individual sizes between different manufactures. The higher the EHD number the greater the flow capacity of the piping.

Table N-2 Medium Pressure (1 in drop)

		Maximum Capacity of OmegaFlex TracPipe CSST in Cubic Feet per Hour (CFH) of Natural Gas (1000 BTU per cubic foot approx)																														
		Min. Gas Pressure: >= > 7-14 in w.c. Pressure Drop: 1.0 in w.c. (Based on a 0.60 Specific Gravity Gas)																														
		Tubing Length (feet)																														
Size	EHD	5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3/8"	15	87	63	52	45	41	37	33	29	27	25	24	23	22	21	19	17	15	14	12	11	10	9	8	8	7	7	7	6	6	6	6
1/2"	19	193	138	113	99	88	81	70	63	58	54	52	50	47	45	40	37	32	29	26	23	20	19	17	16	15	14	14	13	13	12	12
3/4"	25	482	344	282	245	220	201	175	157	143	133	129	125	118	112	100	92	80	71	65	57	51	46	43	40	38	36	34	33	32	31	30
1"	31	827	589	483	419	376	343	298	267	244	227	219	212	200	190	170	156	135	121	111	96	86	79	73	68	64	61	58	56	54	52	50
1 1/4"	37	1558	1109	908	789	707	646	561	503	460	426	412	399	377	358	320	293	254	228	208	181	162	148	137	128	121	115	110	105	101	97	94
1 1/2"	46	2541	1790	1458	1261	1126	1027	888	793	723	669	646	625	589	559	499	455	393	351	320	277	247	226	209	195	184	174	166	159	152	147	142
2"	62	5848	4142	3386	2934	2626	2398	2078	1860	1698	1573	1520	1472	1388	1317	1179	1076	933	835	762	661	591	540	500	468	441	419	399	382	367	354	342

*Notes: Tables above include losses for four 90-degree bends and two end fittings. Tubing runs with larger numbers of bends and/or fittings shall be increased by the equivalent length of tubing to the following equation:
L=1.3n where L is the additional length of tubing and n is the number of additional fittings and/or bends.

Table N-3 Elevated Pressure 2 psig

		Maximum Capacity of OmegaFlex TracPipe CSST in Cubic Feet per Hour (CFH) of Natural Gas (1000 BTU per cubic foot approx)																														
		Gas Pressure: 2 psig Pressure Drop: 1.0 psi (Based on a 0.60 Specific Gravity Gas)																														
Size	EHD	Tubing Length (feet)																														
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3/8"	15	410	353	286	246	220	200	172	154	139	128	124	120	112	107	94	87	75	67	61	53	47	43	40	38	36	34	33	31	30	29	28
1/2"	19	965	700	567	493	444	406	353	317	290	269	260	252	238	226	203	186	162	145	133	116	104	95	88	83	78	74	71	68	65	63	61
3/4"	25	2430	1734	1423	1237	1110	1015	883	792	724	672	650	630	595	565	507	464	403	361	331	287	258	236	219	205	193	184	175	168	162	156	151
1"	31	4220	3004	2463	2139	1917	1753	1522	1365	1248	1157	1118	1084	1023	971	871	796	691	620	567	492	441	403	374	350	330	314	299	287	276	266	257
1 1/4"	37	7969	5670	4646	4034	3615	3305	2870	2572	2332	2180	2108	2042	1927	1830	1640	1499	1302	1167	1067	926	830	759	703	659	622	590	563	540	519	500	484
1 1/2"	46	13626	9599	7820	6782	6041	5509	4763	4255	3881	3590	3467	3355	3161	2997	2678	2442	2111	1886	1720	1487	1329	1212	1121	1048	987	936	892	853	820	789	762
2"	62	30546	21637	17684	15326	13715	12526	10855	9715	8872	8217	7940	7689	7251	6881	6158	5624	4874	4362	3983	3452	3089	2821	2613	2445	2306	2188	2087	1998	1920	1851	1788

see notes below*

EHD (Equivalent Hydraulic Diameter) A theoretical size which reflects the hydraulic performance of the tubing. It is not a true physical measure. This number is used to compare individual sizes between different manufactures.
Pressure drop across a regulator will vary with flow rate. FGP-REG-3 has a 3/4 PSI pressure drop at a flow of 250 cubic feet per hour. regulator. The higher the EHD number the greater the flow capacity of the piping.
Table does not include effect of pressure drop across the line regulator. CAUTION: Capacities shown in table may exceed the maximum capacity for a selected regulator.

Table P-1 Propane Low Pressure

		Maximum Capacity of TracPipe CSST in Thousands of BTU per Hour Propane Gas																														
		Min. Gas Pressure: 11-12 in w.c. Pressure Drop: 1.0 in w.c. (Based on a 1.52 Specific Gravity / 2520 BTU per cubic foot Gas)																														
Size	EHD	Tubing Length (feet)																														
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3/8"	15	138	100	82	71	65	59	52	46	43	40	38	36	35	33	30	27	24	22	19	17	16	14	13	13	11	11	11	9	9	9	9
1/2"	19	306	218	179	157	139	128	111	100	92	85	82	79	74	71	63	59	51	46	41	36	32	30	27	25	24	22	22	21	21	19	19
3/4"	25	763	545	446	388	348	318	277	249	226	211	204	198	187	177	158	146	127	112	103	90	81	73	68	63	60	57	54	52	51	49	47
1"	31	1309	933	765	663	595	543	472	423	386	359	347	336	317	301	269	247	214	192	176	152	136	125	116	108	101	97	92	89	85	82	79
1 1/4"	37	2467	1756	1438	1249	1119	1023	888	796	728	674	652	632	597	567	507	464	402	361	329	287	256	234	217	203	192	182	174	166	160	154	149
1 1/2"	46	4023	2834	2308	1997	1783	1626	1406	1256	1145	1059	1023	990	933	885	790	720	622	556	507	439	391	358	331	309	291	275	263	252	241	233	225
2"	62	9259	6558	5361	4645	4158	3797	3290	2945	2688	2490	2407	2331	2198	2085	1867	1704	1477	1322	1206	1047	936	855	792	741	698	663	632	605	581	560	541